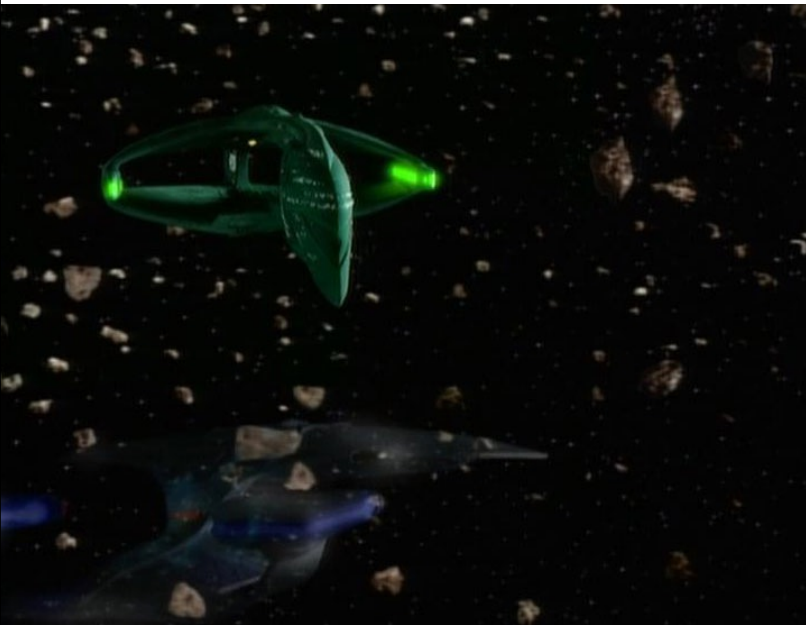
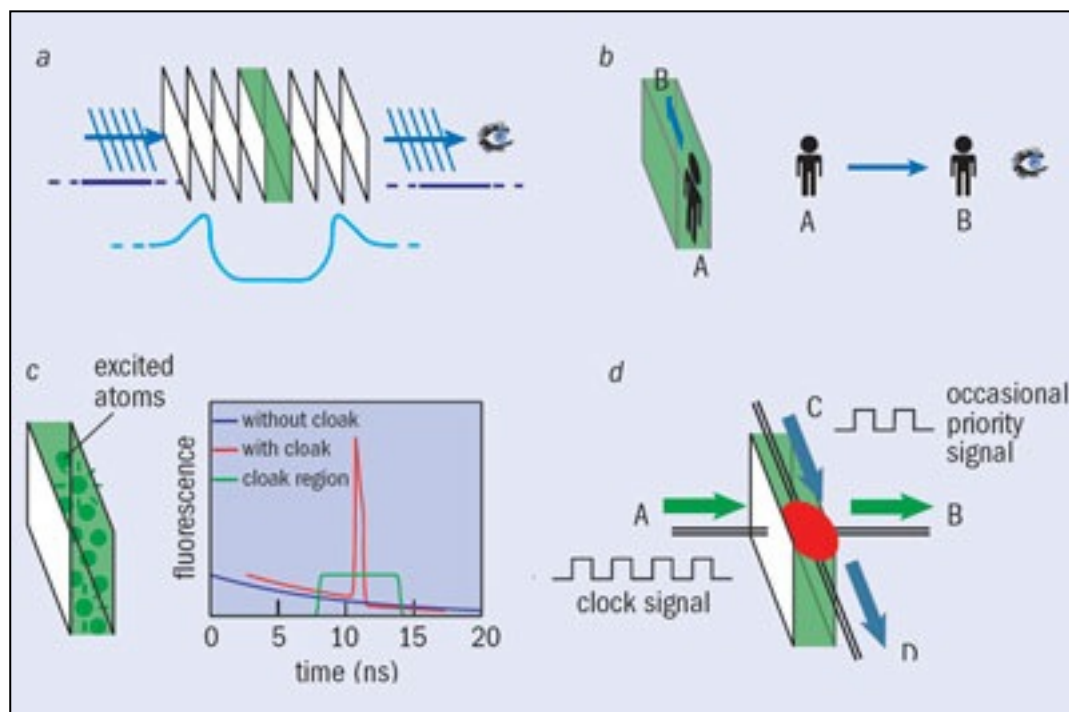


Temporal Cloaking



The USS Enterprise cloaking to avoid a Romulan ship in Star Trek: The Next Generation.
http://en.memory-alpha.org/wiki/Cloaking_device

A recent development in physics was the demonstration of a temporal cloaking device. While spatial cloak, which work by bending light rays around an object, has been demonstrated before, this is the first demonstration of a temporal cloak. The important difference between the two is that while a spatial cloak hides an object from view, a temporal cloak actually makes an entire event undetectable. This is accomplished by speeding up a certain amount of light and then slowing down the part of the light that immediately follows the first part, essentially creating a dark spot that lasts a certain amount of time. After the event the two sets of light are recombined by the reverse effect and to any observer it appears as if the event never happened.



a) Any event in the green area is hidden from observation, b) you could cloak somebody, have them move in the cloaked area then deactivate the cloak and it would appear as if they had teleported, c) putting radioactive atoms in a cloak would make all the radiation emitted while the cloak was active come out in a single pulse, d) for computing you could use a temporal cloak to suspend a certain process and then restarted in without the process ever appearing to stop.